Application No.: 10/849,683

Response to Office Action of 11/01/2005

Attorney Docket: NORTH-601B

Amendments to the Claims:

1. (Previously presented) A process for forming a preform having a first portion and a second portion at an angle to the first portion, the first portion being curved, the process comprising the steps of:

folding the first portion onto the second portion;

providing a stretchable preform fabricated from bundled fibers for permitting the first portion to be curved without crumples;

stretching the first portion;

unfolding the first portion off of the second portion; and

forming the first portion into a curved without crumples.

- 2. (Original) The process as set forth in claim 1 wherein the preform is made of woven material.
- 3. (previously presented) The process as set forth in claim 2 wherein the step of providing an expandable preform includes the step of forming the preform with discontinuous threads.
 - 4. (cancelled)
- 5. (previously presented) The process as set forth in claim 1 wherein the step of stretching is accomplished in a sine wave shaped die.
- 6. (previously presented) The process of claim 1 wherein the preform is a 3D woven PI shaped cross-section preform having first and second foot portions and first and second upstanding leg portions for use in a structure having at least one curved portion.
 - 7. (cancelled)
 - 8. (cancelled)
 - 9. (cancelled)
 - 10. (cancelled)
 - 11. (cancelled)
- 12. (previously presented) The process of claim 3 wherein the discontinuous threads are in rows parallel to the direction of curvature over length equal to the length

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requiring curvature, such that the gaps between each thread row are spaced from the gaps in the adjacent thread rows.

- 13. (previously presented)The process of Claim 5 wherein the sine wave shaped die is tapered.
- 14. (currently amended) A process for forming a preform having a curved portion in a plane, the curved portion having a progressively increasing radius from a first edge to a second edge, the process comprising the steps of:

providing a stretchable preform fabricated from bundled fibers; stretching the preform with mating dies for progressively expanding the preform from the first edge to the second edge; and

<u>after the stretching step</u>, shaping the <u>preform perform into a substantially flat</u> curved configuration without crumples to form the curved portion.

- 15. (previously presented)The process of Claim 14 wherein the curved portion is a foot portion of the preform.
- 16. (previously presented) The process of Claim 14 wherein the curved portion is a leg portion of the preform.
- 17. (previously presented) The process of Claim 14 wherein the fibers of the bundled fibers are discontinuous.
- 18. (previously presented) The process of Claim 14 wherein the mating dies define molding surfaces having a tapered sine wave configuration.
- 19. (previously presented) The process of Claim 18 wherein the stretching step comprises the steps of:

disposing the preform between the mating tapered sine wave dies; aligning the inner radius to a small amplitude end of the mating tapered sine wave dies;

aligning the outer radius to a large amplitude end of the mating tapered sine wave dies; and

closing the mating tapered sine wave dies onto the preform.

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20. (currently amended) The process of Claim 14 wherein the shaping step comprises the step of expanding the stretched preform about a die surface of a second die having a final desired shape of the preform.